

Ref

OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

Edited by

FRANCIS HEMMING, C.M.G., C.B.E.

Secretary to the Commission

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OPINION 333

Confirmation of *Mytilus edulis* Linnaeus, 1758, as the type species of the genus *Mytilus* Linnaeus, 1758 (Class Pelecypoda) (amplification of a Ruling given in *Opinion* 94)



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INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN OPINION 333

A. The Officers of the Commission

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Zoological Museum, Tring, Herts., England*)

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U.S.A.*) (12th August 1953)

Vice-President : Senhor Dr. Afranio do Amaral (*Sao Paulo, Brazil*) (12th
August 1953)

Secretary : Mr. Francis Hemming (*London, England*) (27th July 1948)

B. The Members of the Commission

(*Arranged in order of precedence by reference to date of election or of most recent
re-election, as prescribed by the International Congress of Zoology*)

Professor H. Boschma (*Rijksmuseum van Natuurlijke Historie, Leiden, The
Netherlands*) (1st January 1947)

Senor Dr. Angel Cabrera (*Eva Peron, F.C.N.G.R., Argentina*) (27th July 1948)

Mr. Francis Hemming (*London, England*) (27th July 1948) (*Secretary*)

Dr. Joseph Pearson (*Tasmanian Museum, Hobart, Tasmania, Australia*) (27th
July 1948)

Dr. Henning Lemche (*Universitetets Zoologiske Museum, Copenhagen, Denmark*)
(27th July 1948)

Professor Teiso Esaki (*Kyushu University, Fukuoka, Japan*) (17th April 1950)

Professor Pierre Bonnet (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh Riley (*British Museum (Natural History) London*) (9th
June 1950)

Professor Tadeusz Jaczewski (*Institute of Zoology, Polish Academy of Sciences,
Warsaw, Poland*) (15th June 1950)

Professor Robert Mertens (*Natur-Museum u. Forschungs-Institut Senckenberg,
Frankfurt a. M., Germany*) (5th July 1950)

Professor Erich Martin Hering (*Zoologisches Museum der Humboldt-Universität
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Professor J. R. Dymond (*University of Toronto, Toronto, Canada*) (12th August
1953)

Professor J. Chester Bradley (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th
August 1953) (*President*)

Professor Harold E. Vokes (*Johns Hopkins University, Baltimore, Maryland,
U.S.A.*) (12th August 1953)

Professor Béla Hankó (*Mezőgazdasági Múzeum Budapest, Hungary*) (12th
August 1953)

Dr. Norman R. Stoll (*Rockefeller Institute for Medical Research, New York,
N.Y., U.S.A.*) (12th August 1953)

Mr. P. C. Sylvester-Bradley (*Sheffield University, Sheffield, England*) (12th
August 1953)

Dr. L. B. Holthuis (*Rijksmuseum van Natuurlijke Historie, Leiden, The
Netherlands*) (12th August 1953)

OPINION 333

CONFIRMATION OF "MYTILUS EDULIS" LINNAEUS, 1758, AS THE TYPE SPECIES OF THE GENUS "MYTILUS" LINNAEUS, 1758 (CLASS PELECYPODA) (AMPLIFICATION OF A RULING GIVEN IN "OPINION" 94)

RULING :—(1) The designation by Schumacher (1817) of a particular structure (the hinge) exhibited by a particular specimen figured by him under the name *Mytilus anatinus* Linnaeus, 1758, as the "type" of the genus *Mytilus* Linnaeus, 1758, does not constitute a valid selection of that species as the type species of the foregoing genus.

(2) The first valid type selection for *Mytilus* Linnaeus, 1758, is the selection of *Mytilus edulis* Linnaeus, 1758, by Anton (1839).

(3) The entry of the name *Mytilus* Linnaeus, 1758, with the above species as type species, made on the *Official List of Generic Names in Zoology* by a Ruling given in *Opinion* 94, is hereby confirmed.

(4) The under-mentioned specific name is hereby placed on the *Official List of Specific Names in Zoology* as Name No. 286 :—*edulis* Linnaeus, 1758, as published in the combination *Mytilus edulis* (specific name of type species of *Mytilus* Linnaeus, 1758).

I.—THE STATEMENT OF THE CASE

On 1st August 1945 Dr. Harold E. Vokes (then of the *United States Department of the Interior, Geological Survey, Washington, D.C., U.S.A.*) submitted the following application, in which, after drawing attention to the fact that *Mytilus anatinus* Linnaeus, 1758, appeared to have been selected by Schumacher (1817) as the

type species of *Mytilus* Linnaeus, 1758 (Class Pelecypoda), twenty-two years before *Mytilus edulis* Linnaeus, 1758, was so selected by Anton (1839), expressed the view that great confusion would ensue of the latter species which now universally accepted as the type species of the foregoing genus were to be displaced from that position and asked the International Commission to use its Plenary Powers to prevent this from happening :—

Proposed use of the Plenary Powers to designate “*Mytilus edulis*” Linnaeus, 1758, as the type species of the genus “*Mytilus*” Linnaeus, 1758 (Class Pelecypoda, Order Filibranchiata): proposed validation of an entry in the “Official List” made in “Opinion” 94

By HAROLD E. VOKES

(Department of Geology, The Johns Hopkins University, Baltimore, Maryland, U.S.A.)

1. The generic name *Mytilus* was proposed by Linnaeus, 1758, with 17 species, numbered 205 to 222 inclusive (Linnaeus, 1758, *Systema Naturae*, (ed. 10) 1 : 704—706) ; the species concerned in this request being *edulis*, No. 215, *cygneus*, No. 218, and *anatinus*, No. 219. No type species was designated nor indicated in this publication.

2. Lamarck (1799, “Prodrôme d’une nouvelle classification des coquilles” : (*Mém. Soc. Hist. nat. Paris* 1799 : 88), cited *M. edulis* as an example, but this cannot be construed as fixing the type species.

3. Schumacher (1817, *Essai d’un nouveau Système de habitations de Vers Testacés* : 107) cites “the figure of a hinge of” *Anodonta anatina* (*Mytilus anatinus* Linnaeus) as type species of the genus *Mytilus*. This selection transfers the generic name *Mytilus* to the fresh-water bivalve *Anodonta* Lamarck, 1799 (*supra cit.* L87, monotype *A. cygneus* (*Mytilus cygneus* Linnaeus)).

4. Children [April 1823, Lamarck’s Genera of Shells : *Quart. J. Sci.* 1823 : 33] selected *Mytilus magellanicus* Lamarck as type of *Mytilus* “Lamarck”. This species was not on the Linnean list and was therefore not available for selection as the type species of *Mytilus* Linnaeus.

5. Anton (1839, *Verzeichniss der Conchylien* : 17) selected *Mytilus edulis* Linnaeus as the type species of *Mytilus*, and this is apparently the first selection of this species, which is today universally considered

as the type species usually with a reference to Gray's citation of 1847. (Gray, J. E., 1847, "A list of the genera of recent mollusca, their synonyma and types". *Proc. zool. Soc. Lond.* **15** : 198).

6. So far as I am aware, no subsequent author has followed Schumacher's selection of *Mytilus anatinus* as the type species of the genus *Mytilus* Linnaeus, and to do so now would result in complete confusion, requiring the substitution of the name *Mytilus* for the fresh-water *Anodonta*, and apparently the proposal of a new name for the group of species which now bear that name ; so far as I am aware, no other name has ever been proposed for the species of the *edulis* group.

7. Furthermore, both the generic name *Mytilus* Linnaeus, with type species *M. edulis* Linnaeus, and *Anodonta* Lamarck, with type species *A. cygneus* (Linnaeus), have been placed on the *Official List of Generic Names*, under *Opinion* 94. This procedure, however, was clearly the result of inadequate study, since, in the "Statement of Case" issued with this *Opinion*, it is said : "It appears from the reports reaching the Secretary's office that . . . [these] . . . names are valid under the International Rules and that, therefore, they do not have to be adopted as 'nomina conservanda' under 'Suspension of the Rules'."

8. From the evidence cited above, the latter statement is clearly inaccurate, and the position of *Mytilus*, with type *Mytilus edulis*, is an equivocal one. It is, therefore, requested that the International Commission on Zoological Nomenclature, using the Plenary Powers granted it by the International Congress of Zoology at its meeting held at Monaco (1913), suspend the Rules in the International Code of Zoological Nomenclature, and declare *Mytilus edulis* Linnaeus to be the type species of *Mytilus* Linnaeus under such suspension of the Rules.

II.—THE SUBSEQUENT HISTORY OF THE CASE

2. **Registration of the present application :** Immediately upon the receipt of Dr. Vokes' application, the problem of the species to be accepted as the type species of the genus *Mytilus* Linnaeus, 1758, was allotted the Registered Number Z.N.(S.) 193.

3. Issue of Public Notices in November 1947 : On 20th November 1947 Public Notice of the possible use by the International Commission on Zoological Nomenclature of its Plenary Powers in the present case was issued to the serial publications prescribed by the Ninth International Congress of Zoology, Monaco, 1913. The issue of this Public Notice elicited no objection to the action proposed.

4. Postponement of consideration of the present application in Paris in 1948 : It had been hoped that, as no objection had been lodged against the proposed use of the Plenary Powers in the present case, it would be possible for the International Commission to reach a decision on it during its Session held in Paris in 1948, and arrangements had been made for its submission to the Commission at that Session. The time available in Paris was, however, so short, and so much of it was devoted to considering proposals for the amendment, clarification and amplification of the *Règles* that it proved impossible for the Commission to deal with all the applications that were then awaiting attention. The present was one of the applications which for this reason it was impossible to lay before the Commission at that Session.

5. Publication of the present application : In the period immediately following the close of the Paris Session of the Commission, the resources of the Secretariat were wholly devoted to the preparation and publication of the Official Record of the Proceedings at that Session and it was not possible until the summer of 1950 to make arrangements for the resumption of publication in the *Bulletin of Zoological Nomenclature* of applications relating to particular names submitted by specialists for decision. The present application was included in the first group of such applications to be published after the resumption by the Commission of this side of its work. It was sent to the printer on 4th December 1950 and was published on 20th April 1951 in Part 1 of volume 2 of the *Bulletin* (Vokes, 1951, *Bull. zool. Nomencl.* 2 : 31—32).

6. Issue of Public Notices in April 1951 : Under the revised arrangements prescribed by the Thirteenth International Congress

of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* 4 : 51—56), Public Notice of the possible use by the International Commission on Zoological Nomenclature of its Plenary Powers in the present case was given on 20th April 1951, both in Part 1 of volume 2 of the *Bulletin of Zoological Nomenclature*, the Part in which Dr. Vokes' application was published, and also to the other prescribed serial publications. In addition, Public Notice was given to a number of zoological and paleontological serial publications in Europe and America.

7. Support received for the present application : The issue of the prescribed Public Notices elicited communications from five specialists and from one committee of specialists. The authors of these communications, all of whom supported Dr. Vokes' application, were the following :—(a) Dr. Joshua L. Baily, Jr. (*San Diego, California, U.S.A.*) ; (b) Professor R. Ph. Dollfus (*Muséum National d'Histoire Naturelle, Paris*) ; (c) Professor Gilbert Ranson (*Muséum National d'Histoire Naturelle, Paris*) ; (d) Professor Dr. C. R. Boettger (*Natur-Museum u. Forschungs-Institute Senckenberg, Senckenberg-Anlage, Frankfurt a. M., Germany*) ; (e) Dr. Joseph P. E. Morrison (*United States National Museum, Division of Mollusks, Washington, D.C., U.S.A.*) ; (f) the Joint Committee on Zoological Nomenclature for Paleontology in America. The communications so received are reproduced in the immediately following paragraphs.

8. Support received from Dr. Joshua L. Baily, Jr. (San Diego, California) : On 22nd June 1951 Dr. Joshua L. Baily, Jr. (*San Diego, California*) addressed the following letter to the Commission in which he supported the proposed stabilisation of *Mytilus edulis* Linnaeus, 1758, as the type species of the genus *Mytilus* Linnaeus, 1758, but at the same time pointed out that in the case of the genus *Arca* Linnaeus the Commission had rejected action taken by Schumacher in 1817 of a character exactly similar to that which had given rise to the present difficulties in regard to the type species of the genus *Mytilus* Linnaeus (Baily, 1951, *Bull. zool. Nomencl.* 2 : 339) :—

Since the names *Mytilus* Linnaeus, 1758, and *Anodonta* Lamarck, 1801, with their respective type species, are already on the *Official*

List, I fail to see that any further action should be needed to stabilize them but, if such action is necessary, I should certainly support it. I would, however, like in this connection to call attention to the following point not mentioned in the application (1951, *Bull. zool. Nomencl.* 2 : 31—32). Schumacher, in his *Essai nouv. Syst. Vers. test.* of 1817, also figured the hinge of *Arca* Linnaeus as a type selection and the International Commission on Zoological Nomenclature, in fixing the type of *Arca*, discarded Schumacher's selection. I have not seen Schumacher's *Essai*, but Dr. H. A. Rehder, who has consulted it for me, tells me that the types of *Arca* and of *Mytilus* are selected in exactly the same way, from which I conclude that the discarding of the type selection of *Arca* automatically implies the discarding of the type selection of *Mytilus* as well, and that therefore the earliest available type selection for *Mytilus* is that of Anton, and that *Mytilus edulis* is the type whether the rules are suspended or not.

The names *Mytilus* and *Anodonta* were placed on the *Official List of Generic Names in Zoology* before the *Official List of Specific Trivial Names* was established. I believe, therefore, that the names *edulis* Linnaeus, 1758, and *cygneus* Linnaeus, 1758, as originally published as *Mytilus edulis* and *Mytilus cygneus*, are not on the latter List. I would accordingly suggest that these specific trivial names be now added to the *Official List*.

9. Support received from Professor R. Ph. Dollfus (Muséum National d'Histoire Naturelle, Paris) : In a letter dated 25th June 1951 Professor R. Ph. Dollfus (*Muséum National d'Histoire Naturelle, Paris*) notified to the Commission his views as regards a number of then recently published applications and, as regards the present case, indicated his support as follows :—" Je suis pour la conservation de *Mytilus* Linnaeus, 1758 (espèce type : *Mytilus edulis* Linnaeus, 1758) " (Dollfus, 1952, *Bull. zool. Nomencl.* 6 : 171).

10. Support received from Professor Gilbert Ranson (Muséum National d'Histoire Naturelle, Paris) : In a note received on 31st July 1951 Professor Gilbert Ranson (*Muséum National d'Histoire Naturelle, Paris*) intimated as follows his support for the application submitted by Dr. Vokes (Ranson, 1952, *Bull. zool. Nomencl.* 6 : 171) :—

Je suis tout à fait d'accord avec H. E. Vokes (1951, *Bull. zool. Nomencl.* 2 : 31—32), pour que *Mytilus edulis* Linnaeus, 1758, soit considéré comme l'espèce type du genre *Mytilus* Linnaeus.

11. Support received from Professor Dr. C. R. Boettger (Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a. M., Germany) : In a note transmitted to the Commission by Professor Dr. R. Mertens under cover of a letter dated 27th August 1951 Professor Dr. C. E. Boettger (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a. M.*) furnished his comments on a number of current applications and as regards the present case, indicated as follows his support for the action proposed by Dr. Vokes :—

Ich stimme durchaus dem Vorschlag bei, dass *Mytilus edulis* Linnaeus zum Typus der Gattung *Mytilus* Linnaeus unter Ausserkraftsetzung der entgegengesetzten Regeln erklärt wird. Im ubrigen habe ich zu den Ausfuehrungen nichts hinzuzufügen.

12. Support received from Dr. Joseph P. E. Morrison (United States National Museum, Division of Mollusks, Washington, D.C., U.S.A.) : In a letter dated 4th October 1951 Dr. Joseph P. E. Morrison (*United States National Museum, Division of Mollusks, Washington, D.C., U.S.A.*) notified as follows his support for the present application (Morrison, 1952, *Bull. zool. Nomencl.* 9 : 144) :—

Both as a specialist on the Mollusks, and as a former teacher of Zoology in High School, College, and University, may I go on record as wholeheartedly in support of Dr. Vokes' petition to the International Commission to use its Plenary Powers in the case of *Mytilus* Linnaeus, to fix the species *edulis* Linnaeus as the type species.

In my opinion, this is exactly the sort of case for which the International Commission has been granted such Plenary Powers. Without such a *nomen conservandum* action as requested in this case, two Family or Subfamily names would have to be changed, as well as every High School Zoology text-book I have ever seen in the United States !

13. Support received from the Joint Committee on Zoological Nomenclature for Paleontology in America : In a letter dated 6th February 1952 (received on 9th April 1952) Professor G. Winston Sinclair (then of the *University of Michigan, Ann Arbor, Michigan, U.S.A.*), Chairman of the Joint Committee on

Zoological Nomenclature for Paleontology in America, reported that by nine votes to two votes, the Joint Committee had resolved in favour of the application submitted by Dr. Vokes. The letter so received was as follows :—

The Joint Committee on Zoological Nomenclature for Paleontology in America has considered this subject, and I wish to inform you that, being polled, they voted : To support the petition (nine) :—(1) A. Myra Keen ; (2) Siemon W. Muller ; (3) Katherine V. W. Palmer ; (4) Bryan Patterson ; (5) John B. Reeside, Jr. ; (6) G. Winston Sinclair ; (7) J. Marvin Weller ; (8) R. C. Moore ; (9) Bobb Schaeffer. To oppose the petition (two) :—(1) Don L. Frizzell ; (2) J. W. Wells.

14. The question of principle involved in the present case : In his letter dated 22nd June 1951 reproduced in paragraph 8 of the present *Opinion* Dr. Joshua L. Baily threw an entirely new light upon the present application by pointing out that the case of *Mytilus* Linnaeus, 1758, was exactly parallel with that of *Arca* Linnaeus, 1758, Schumacher in each case having published an observation which had been interpreted by some later authors as constituting a type-selection under Rule (g) in Article 30. In the case of *Arca*—as in the present case—confusion and undesirable name-changing would have resulted if Schumacher's action had constituted a valid type-selection. In the consideration of the case of *Arca* Linnaeus in connection with an application submitted by Dr. Philip W. Reinhart the action taken by Schumacher was examined and rejected (*Opinion* 189 published in 1945, *Ops. Decls. int. Comm. zool. Nomencl.* 3 : 93—108) but this view was taken only incidentally and was not embodied in the operative portion (then styled "Summary") of that *Opinion*. The foregoing *Opinion* was adopted in 1944, that is four years prior to the Session of the Commission held in Paris in 1948, at which it was decided that general questions of principle (such as whether action such as that taken by Schumacher in 1817 when he designated a particular structure of a given specimen as the "type" of a genus constituted a valid selection of the species so cited as the type species of the genus in question) should in future not be embodied in *Opinions* relating to individual cases but should form the subject of express decisions which

should moreover be promulgated not in *Opinions* but in the series known as *Declarations*. Immediately upon the receipt of Dr. Baily's letter, Mr. Francis Hemming, as Secretary, took the view that in the circumstances the proper course as regards the question of the type species of the genus *Mytilus* Linnaeus would be to abandon the application in the form in which it had been submitted and in place of pursuing that application to invite the Commission (1) to render a *Declaration* that action of the kind taken by Schumacher in the case of the names *Arca* Linnaeus and *Mytilus* Linnaeus did not constitute a valid selection of a type species for the genus concerned, and (2) consequently to render an *Opinion* rejecting Schumacher's alleged selection of *Mytilus anatinus* Linnaeus, 1758 as the type species of *Mytilus* Linnaeus and confirming the position of that generic name on the *Official List of Generic Names in Zoology* with *Mytilus edulis* Linnaeus, 1758, as its type species. Mr. Hemming made a suggestion on these lines to Mr. Vokes who replied immediately (on 30th July 1951) concurring in the action proposed. Pressure of other work made it impossible to pursue the matter further at that time. When this question was considered again in June 1952, it was felt that the better course would be to bring this matter before the Colloquium on Zoological Nomenclature which by that time it had been decided to summon to meet at Copenhagen in the last week in July 1953, so that the Commission, on receiving the advice of the Colloquium, might, if it thought proper so to do, recommend the Fourteenth International Congress of Zoology to insert words in Rule (g) of Article 30 in the sense indicated above.

15. Clarification of Rule (g) in Article 30 by the Fourteenth International Congress of Zoology, Copenhagen, 1953: In accordance with the arrangements outlined in the preceding paragraph, Mr. Hemming prepared a paper in May 1953 for the consideration of the Colloquium recommending the clarification of Rule (g) in Article 30 in such a way as to exclude from the scope of that Rule action such as that taken by Schumacher in 1817. This problem was entered on the Agenda of the Colloquium as Case No. 44, Mr. Hemming's paper being registered as Document 44/1 (Hemming, 1953, *Bull. zool. Nomencl.* **10** : 406—408). The recommendation so submitted won the support of the Colloquium, and, on the proposal of that body, was

submitted by the Commission to the Fourteenth International Congress of Zoology, by which it was approved. Under the decision so taken a provision was added to Rule (g) in Article 30 enacting that "where an author specifies, as the "type" of a given nominal genus, a particular structure exhibited by a particular specimen referred by the author concerned to one of the nominal species originally included in that genus, that action is not to be treated as constituting the selection, as the type species of the genus concerned, of the nominal species to which the specimen in question was so referred". (1953, *Copenhagen Decisions zool. Nomencl.* : 71, Decision 134.)

16. Submission in 1954 of a revised application : The addition made to Rule (g) in Article 30 by the Fourteenth International Congress of Zoology quoted in the immediately preceding paragraph removed altogether the threat to the position of *Mytilus edulis* Linnaeus, 1758, as the type species of *Mytilus* Linnaeus, 1758, which had prompted Dr. Vokes in 1945 to submit his application in the present case. All that remained to be done was to render an *Opinion* confirming, in the light of the foregoing decision, the position on the *Official List of Generic Names in Zoology* of the generic name *Mytilus* Linnaeus with *Mytilus edulis* Linnaeus as the type species of the genus so named. To this end Mr. Hemming, as Secretary, prepared the following proposal for the consideration of the Commission :—

Revised proposal submitted in 1954

(1) The designation by Schumacher (1817) of a particular structure (the hinge) exhibited by a particular specimen figured by him under the name *Mytilus anatinus* Linnaeus, 1758, as the "type" of the genus *Mytilus* Linnaeus, 1758, does not constitute a valid selection of that species as the type species of the foregoing genus. (2) The first valid type selection for *Mytilus* Linnaeus, 1758, is that of *M. edulis* Linnaeus, 1758, by Anton (1839). (3) The name *Mytilus* Linnaeus, 1758, with the above species as type species is hereby confirmed in its position on the *Official List of Generic Names in Zoology*. (4) The specific name *edulis* Linnaeus, 1758, as published in the combination *Mytilus edulis*, is hereby placed on the *Official List of Specific Names in Zoology*.

III.—THE DECISION OF THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

17. Issue of Voting Paper V.P.(54)7 : On 27th February 1954, a Voting Paper (V.P.(54)7) was issued in which the Members of the Commission were invited to vote either for, or against, the proposal "relating to the generic name *Mytilus* Linnaeus, 1758, as set out at the foot of the present Voting Paper". The proposal here referred is that which has been reproduced in paragraph 16 of the present *Opinion*.

18. The Prescribed Voting Period : As the foregoing Voting Paper was issued under the Three-Month Rule, the Prescribed Voting Period closed on 27th May 1954.

19. Particulars of the Voting on Voting Paper V.P.(54)7 : The state of the voting on Voting Paper V.P.(54)7 at the close of the Prescribed Voting Period was as follows :—

(a) *Affirmative Votes had been given by the following nineteen (19) Commissioners (arranged in the order in which Votes were received) :*

Sylvester-Bradley ; Holthuis ; Hering ; Boschma ; Vokes ; Riley ; do Amaral ; Esaki ; Lemche ; Dymond ; Hemming ; Bonnet ; Cabrera ; Mertens ; Hankó ; Pearson ; Bradley (J.C.) ; Jaczewski ; Stoll ;

(b) *Negative Votes :*

None ;

(c) *Voting Papers not returned :*

None.

20. Declaration of Result of Vote : On 28th May 1954, Mr. Hemming, Secretary to the International Commission, acting as

Returning Officer for the Vote taken on Voting Paper V.P.(54)7, signed a Certificate that the Votes cast were as set out in paragraph 19 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

21. Preparation of the Ruling given in the present "Opinion" :

On 8th July 1954 Mr. Hemming prepared the Ruling given in the present *Opinion* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(54)7.

22. The following is the original reference for the name placed on the *Official List of Specific Names in Zoology* by the Ruling given in the present *Opinion* :—

edulis, *Mytilus*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) 1 : 705

23. The reference for the type-selection for the genus *Mytilus* Linnaeus, 1758, cited in the Ruling given in the present *Opinion* is : Anton, 1839, *Verz. Conchylien* : 17.

24. The application dealt with in the present *Opinion* was published in the *Bulletin of Zoological Nomenclature* prior to the establishment of the *Official List of Family-Group Names in Zoology* by the Fourteenth International Congress of Zoology, Copenhagen, 1953. It has not been possible since then to deal with this aspect of the present case. This question is, however, now being examined on a separate File to which the Registered Number Z.N.(G.) 75 has been allotted.

25. At the time of the submission of the original application dealt with in the present *Opinion*, the expression prescribed for the second portion of the binomen which constitutes the scientific name of a species was the expression "trivial name" and the *Official List* reserved for recording such names was styled

the *Official List of Specific Trivial Names in Zoology*, the word "trivial" appearing also in the title of the *Official Index* reserved for recording rejected and invalid names of this category. Under a decision taken by the Fourteenth International Congress of Zoology, Copenhagen, 1953, the expression "specific name" was substituted for the expression "trivial name" and corresponding changes were made in the titles of the *Official List* and *Official Index* of such names (1953, *Copenhagen Decisions zool. Nomencl.* : 21). The changes in terminology so adopted have been incorporated in the Ruling given in the present *Opinion*.

26. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Opinion* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

27. The present *Opinion* shall be known as *Opinion* Three Hundred and Thirty-Three (333) of the International Commission on Zoological Nomenclature.

DONE in London, this Eighth day of July, Nineteen Hundred and Fifty-Four.

*Secretary to the International Commission
on Zoological Nomenclature*

FRANCIS HEMMING

NOTE TO SUBSCRIBERS

The present Volume (Vol. 9) will be complete on the publication of Part 28 containing the Indexes, Title page, etc. This Concluding Part is now in course of preparation, and will, it is hoped, be published at an early date.